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ENVIRONMENTAL HEALTH CONSULTANTS

PCB Removal and Disposal Plan

**Kaiser Permanente Bellflower Facility
Hospital Demolition Project
9400 E. Rosecrans Avenue
Bellflower, CA 90706**

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Table of Contents

Introduction.....	1
Site Characterization	1
Scope of Work.....	1
Findings.....	1
Removal and Disposal Plan	4
Additional Information.....	5

APPENDIX A: FACS Data Collection Methods

APPENDIX B: Sampling Results Summary & Laboratory Reports

APPENDIX C: Photographs

APPENDIX D: USEPA Document “Current Best Practices for PCBs in Caulk Fact Sheet”

Introduction

Forensic Analytical Consulting Services, Inc. (FACS) was retained by Kaiser Permanente to provide a removal and disposal plan for PCB-containing materials identified at the Kaiser Permanente Bellflower hospital building located at 9400 E Rosecrans Avenue in Bellflower, CA.

Caulk containing polychlorinated biphenyls (PCBs) at greater than or equal to 50 mg/kg has been identified at various exterior locations of the subject building. The identified caulk is located adjacent to porous and non-porous substrates that may also be PCB-containing based on the potential for leaching of PCBs from the caulk.

The purpose of the following document is to provide a plan for the removal and disposal of PCB-containing materials to the U.S. Environmental Protection Agency (USEPA), Region 9, for compliance with 40 CFR 761. This plan covers the removal and disposal of all PCB-containing caulk and all materials in contact with the caulk at the hospital building scheduled to be demolished.

Site Characterization

The Kaiser Permanente Bellflower hospital building is an 8-story building located at 9400 E. Rosecrans Blvd., in Bellflower, California. Exterior construction consists of a mix of stucco, concrete, and pebble wall façades and various metal window frames, door frames, and decorative panels.

Scope of Work

In the course of this project, FACS conducted the following scope of work:

1. Identification and sampling of suspect caulk on the exterior of the building.
2. Identification and sampling of representative porous substrates in contact with PCB-containing caulk.
3. Identification of non-porous substrates in contact with PCB-containing caulk.
4. Designation of waste categories for caulk and substrates.

Data collection methodologies are described in Appendix A. The data collected in the course of the investigation is presented in this report as follows:

- Appendix B: Sampling Result Tables (including laboratory reports and chain of custody forms)
- Appendix C: Photographs

Findings

Caulk

Various types of caulk were identified at the building's exterior and were sampled for PCBs. Sample results indicated that five types of caulk sampled contained PCB concentrations less than 50 mg/kg (50 ppm) and therefore under 40 CFR 761.3 are not classified as a PCB bulk product waste. Four types of caulk (Types I – IV) will be disposed as PCB-containing waste of greater than 1 mg/kg but less than 50 mg/kg PCBs. Type V white caulk, which was found on a single window frame, was possibly a replacement caulk, and the PCB content in the caulk may have resulted from the PCBs in an original

caulk. The single location of Type V caulk and the single adjacent window frame will be considered PCB remediation waste. See the <50 mg/kg caulk results summary Table 1 below:

Table 1: Types of Caulk Identified as <50 mg/kg of PCBs			
Caulk <50 mg/kg PCBs	Homogeneous Area*/ Location	PCB Result (mg/kg)	Photo*
Type I	Brown Metal Frame – dark brown colored caulk (limited to first floor)	4.8 – 24	7
Type II	Expansion Joint Compound – 1 st floor gray colored caulk	8.5	8
Type III	HVAC – gray colored caulk	9.4 - 25	9
Type IV	White panels - S elevation black caulk	<3.3 - <33	10
Type V	Metal Window Frame – 2 nd floor white colored caulk	2.7	NA

* Photos provided in Appendix C
NA – Not available

All other caulks sampled contained concentrations greater than 50 mg/kg PCBs and therefore according to 40 CFR 761.3 are classified as PCB bulk product waste. See results table in Appendix B for specifics.

Substrates Touching Caulk

Substrates located directly adjacent to and touching PCB-containing caulk were also identified. Substrates were identified as either porous or non-porous. Non-porous substrates identified were metal door frames, metal window frames, brown metal panels, and white metal panels. Porous substrates identified were grass, soil, concrete, stucco, and pebble/grout. The following plan does not include the removal and disposal of potential PCB-contaminated soil, vegetation, or sidewalk materials identified onsite. A removal and disposal plan for soil and sidewalk materials will be provided in a future document. The other porous substrates concrete, stucco, and pebble/grout were sampled for PCB contamination due to potential leaching from adjacent caulk.

Non-porous Substrates Touching Caulk

Non-porous substrates were not sampled for PCBs. All non-porous substrates in contact with PCB-containing caulk (>50 mg/kg) will be labeled and defined as PCB bulk product waste and handled and disposed of in accordance with 40 CFR 761.62 and *Current Best Practices for PCBs in Caulk Factsheet (12/20/2012)*.

Porous Substrates Touching Caulk

Samples of porous substrates were collected in accordance with the USEPA Region 1 document titled "Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs)". Substrate samples were collected adjacent to caulk previously identified as containing concentrations of PCBs ≥50 mg/kg. In general, samples were collected at a distance of 0-0.5", 2-3", & 5-6" away from previously sampled caulk and at a depth of 0.5-1". For the concrete decks only, samples were collected at a distance of 0-0.5", 2-3", 7-8", & 13-14" from previously sampled caulk and at a depth of 0.5-1". See results summary table 2 below:

Table 2: Substrate PCB Concentration Results

Substrate Material	Homogenous Area*	Caulk PCB Concentration (mg/kg)	Substrate PCB Concentrations (mg/kg)				
			0-0.5"	2-3"	5-6"	7-8"	13-14"
Grout	Pebble Wall	10,000 – 18,000	0.33 - 0.8	<0.033 - 0.19	<0.033	NA	NA
Concrete	Concrete Wall	84-240	<0.033 - <0.067	<0.033 - <0.067	<0.033 - <0.067	NA	NA
Stucco	Stucco Wall	340	0.14-0.34	0.23	0.34	NA	NA
Concrete	Concrete Columns	190,000-250,000	13 - 25	0.53 - 4.6	0.88 - 1.1	NA	NA
Concrete	Concrete Block Wall	63,000-330,000	9.2 – 17	0.49 – 1.4	0.83 – 0.94	NA	NA
Concrete	Concrete Decks	170,000 – 330,000	<0.033 - 97	0.05 - 3	NA	<0.033 – 0.71	0.09 – 0.63

Note:
Results in **bold** are those that exceed the 1 mg/kg (1 ppm) criteria.
*See photos in Appendix C
NA = Not available – samples not collected

The following disposal plans are based on the porous substrate sampling results:

Pebble/Grout Walls – Sample results indicated the pebble/grout wall substrate contained PCB concentrations less than 1 mg/kg at all distances sampled (0-6"). Results do not indicate the pebble wall substrate to be PCB bulk product waste or PCB remediation waste as described in 40 CFR 761.61. However, for the purpose of recycling pebble/grout walls, 3" of the material, located adjacent to caulk, will be removed and treated as common construction debris, not intended for reuse, with no restrictions on disposal. Results indicated that the remaining pebble/grout wall (>3" from caulk) contained PCB concentrations less than 0.22 mg/kg, and this section will be removed and sent to an appropriate facility for recycling.

Concrete Walls - Sample results indicated the concrete wall substrate contained PCB concentrations less than 0.22 mg/kg at all distances sampled (0-6"). Results do not indicate the concrete wall substrate to be PCB bulk product waste or PCB remediation waste, and concrete wall waste can be treated as concrete for reuse since it contains less than 0.22 mg/kg PCBs. All concrete wall waste will be removed and sent to an appropriate facility for recycling.

Stucco Walls - Sample results indicated the stucco wall substrate contained PCB concentrations less than 1 mg/kg at all distances sampled (0-6"). Results do not indicate the stucco wall substrate to be PCB bulk product waste or PCB remediation waste, as described in 40 CFR 761.61. However, for the purpose of recycling stucco walls, 1.5' of materials, located adjacent to caulk, will be removed and treated as common construction debris, not intended for reuse, with no other restrictions on disposal. Based on results of samples collected from 0-6" from caulk (0.14-0.34 mg/kg), it is anticipated that the remaining stucco wall (>1.5' from caulk) will contain PCB concentrations less than 0.22 mg/kg, and therefore can be removed and sent to an appropriate facility for recycling.

Concrete Columns – Sample results indicated the concrete column walls contained PCB concentrations greater than 1 mg/kg but less than 50 mg/kg at all distances sampled (0-6"). Concrete column walls will be considered as PCB remediation waste according to 40 CFR 761.61.

Concrete Block Walls – Sample results indicated the concrete block walls contained PCB concentrations greater than 1 mg/kg but less than 50 mg/kg at all distances sampled (0-6"). Concrete block walls will be considered as PCB remediation waste according to 40 CFR 761.61.

Concrete Decks – Sample results indicated the concrete decks contained PCB concentrations greater than 1 mg/kg at a distance of (0-3") and greater than 0.22 mg/kg even at 13-14". Concrete decks at the north and south elevation will be considered as PCB remediation waste according to 40 CFR 761.61. Caulk does not touch the concrete decks at the east and west elevations, and these decks are not considered to be PCB-containing remediation waste.

See Removal and Disposal Plan below for specifics. Refer to Appendix B for sample result tables. See Appendix C for photographs.

Removal and Disposal Plan

In accordance with 40 CFR 761, the following removal and disposal plan was developed:

PCB Bulk Product Waste

The following materials will be removed and disposed as PCB bulk product waste:

- Caulk with PCB levels \geq 50 mg/kg
- Metal window frames and metal door frames that are in direct contact with caulk containing \geq 50 mg/kg PCBs
- Brown metal panels that are in direct contact with caulk containing \geq 50 mg/kg PCBs

Non-porous substrate materials not sampled for PCBs are being defined as PCB bulk product waste materials in accordance with the USEPA interpretation titled *Current Best Practices for PCBs in Caulk Fact Sheet – Disposal Options for PCBs in Caulk and PCB-Contaminated Soils and Building Materials*, dated 12/20/2012.

All building materials identified as PCB bulk product waste will be disposed of in accordance with 40 CFR 761.62 at an offsite TSCA-permitted disposal facility (US Ecology, Inc.) located in Beatty, Nevada.

PCB Remediation Waste

Building materials identified as PCB remediation waste (single location of white caulk and window frame, concrete columns, concrete blocks, and some concrete decks), all containing <50 mg/kg PCBs, will be disposed of at the Waste Management Co. facility located in Simi Valley, CA.

The entire concrete columns (2-3' wide) and all of the concrete block walls, will be disposed as PCB remediation waste. Prior to disposal, the PCB bulk product waste caulk ($>$ 50 mg/kg) will be separated from the porous substrate and disposed of as PCB bulk product waste as noted above.

The concrete decks located at the north and south elevations will be disposed of as PCB remediation waste. Prior to disposal, the PCB bulk product waste caulk ($>$ 50 mg/kg) will be separated from the adjacent concrete deck and disposed of as a PCB bulk product waste as noted above.

PCB Containing Waste

Four types of caulk (Types I – IV) identified as caulk that contained PCB concentrations greater than 1 mg/kg but less than 50 mg/kg PCBs will be disposed of as PCB-containing waste at Waste Management Co. facility located in Simi Valley, CA.

Onsite Waste Management

- PCB bulk waste and remediation waste removed from the building and placed directly into waste containers will be managed in accordance with 40CFR761.65(a) and (c)(1)
- PCB bulk waste and remediation waste stockpiled onsite prior to being placed into waste transportation containers will be managed in accordance with 40CFR761.65(a) and (c)(9)

Additional Information

- The contractor performing all the PCB removal work is Silverado Contractors, Inc., located in Upland, CA. All work will be done in accordance with Cal/OSHA worker safety requirements and per Kaiser Permanente Asbestos Abatement Master Specifications with modifications made for the control of exposure to PCBs.
- All equipment and tools utilized during PCB remediation will be decontaminated consistent with 40 CFR 761.79(2).
- Spent HEPA filters, PPE, dust, debris and waste generated during PCB remediation activities will be disposed of as PCB remediation waste consistent with 40 CFR 761.61(a)(5)(v).
- During removal activities, measures will be taken to prevent exposure to and releases of PCBs. This includes the use of dust suppression methods to minimize airborne dust generated during removal activities as necessary.
- An air sampling plan outlining a sampling protocol during PCB removal activities and during demolition will be provided in a future document.
- The transporter of PCB wastes, will be the responsible party for completing the Notification of PCB Activity consistent with 40 CFR 761.205.

Please do not hesitate to contact our office at 310-668-5600 if you have any additional questions or concerns.

Respectfully,
FORENSIC ANALYTICAL



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Appendix A: FACS Data Collection Methods

Polychlorinated Biphenyls (PCBs) – Caulk Material. Caulk samples (approximately 6" of materials) were collected using disposable chisels and placed in small plastic sampling containers. Samples were labeled using a unique identification number and shipped under Chain of Custody to an AIHA accredited analytical laboratory (ALS Salt Lake City, UT facility). In the laboratory the samples were prepared in accordance with EPA Method 3540 (Soxhlet extraction) and analyzed in accordance with EPA Method 8082 (gas chromatography). Results of PCB concentrations are provided as Aroclors in mg/kg (ppm). All samples were stored and shipped at room temperature.

Polychlorinated Biphenyls (PCBs) – Porous Substrate Material. All substrate samples were collected in accordance with the USEPA Region 1 document titled "Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs)". Samples were labeled using a unique identification number and shipped under Chain of Custody to an AIHA accredited analytical laboratory (ALS Salt Lake City, UT facility). In the laboratory the samples were prepared in accordance with EPA Method 3550 (ultrasonic extraction) and analyzed in accordance with EPA Method 8082 (gas chromatography). Results of PCB concentrations are provided as Aroclors in mg/kg (ppm). All samples were stored and shipped under refrigeration or shipped in cooler with ice packs.

Appendix B: Sample Result Tables

Sampling results are provided in the tables below. Supporting laboratory reports and chain of custody forms are attached in the pages that follow in order of laboratory report number.

Caulk Sample Results Table								
Material	Floor	Location	Caulk Color	Substrate(s)	Homogeneous Area	Sample No.	Sample Date	Result (mg/kg*)
Caulk	1st	1st Floor-Southeast Side	Black	Concrete & Metal	Brown Window Frame (Outside)	EX-01	2/12/2014	120,000
Caulk	1st	1st Floor-Southwest Side	Black	Metal & Glass	Brown Window Frame (Inside)	1EX-01	2/12/2014	50,000
Caulk	1st	1st Floor-Southeast Side	Dark Brown	Metal	Brown Metal Frame	2EX-01	2/12/2014	24
Caulk	1st	1st Floor-Southwest Side	Dark Brown	Metal	Brown Metal Frame	2EX-02	2/12/2014	4.8
Caulk	1st	1st Floor-Southwest Side	Gray	Stucco & Metal	Expansion Joint Compound	3EX-01	2/12/2014	8.5
Caulk	1st	1st Floor-South Entrance	Brown	Concrete & Metal	Metal Door Frame - Brown Caulk	4EX-01	2/12/2014	22,000
Caulk	1st	1st Floor-Main North Entrance	Brown	Metal	Metal Door Frame - Brown Caulk	4EX-02	2/12/2014	34
Caulk	5th	5th Floor-North Entrance	Brown	Concrete, Glass & Metal	Metal Door Frame - Brown Caulk	4EX-03	2/12/2014	46
Caulk	1st	1st Floor-South Entrance	Gray	Metal & Glass	Metal Door Frame - Gray Caulk	5EX-01	2/12/2014	15
Caulk	6th	6th Floor-Balcony	Gray	Stucco & Metal	Metal Door Frame - Gray Caulk	5EX-02	2/12/2014	23,000
Caulk	1st	1st Floor-East Sidewalk	White	Concrete & Glass	Sidewalk Expansion - White Caulk	6EX-01	2/12/2014	230



Caulk Sample Results Table								
Material	Fl	Location	Caulk Color	Substrate	Homogeneous Area	Sample No.	Sample Date	Result (mg/kg*)
Caulk	1St	1st Floor-Room 1E113	Black	Metal	Metal Door Frame - Black Caulk	7EX-01	2/12/2014	21,000
Caulk	3rd	3rd Floor-Room 308 (AC-18)	Black	Metal	Metal Door Frame - Black Caulk	7EX-02	2/12/2014	1,400
Caulk	6th	6th Floor-Room 6C17	Black	Metal	Metal Door Frame - Black Caulk	7EX-03	2/12/2014	27,000
Caulk	1st	1st Floor-Main North Entrance	Gray	Pebble wall w/grout	Pebbles Wall	8EX-01	2/12/2014	18,000
Caulk	Roof	Main Roof	Gray	Pebble wall w/grout	Pebbles Wall	8EX-02	2/12/2014	240
Caulk	1st	1st Floor-Northeast Side (by East Stairway)	Gray	Pebble wall w/grout	Pebbles Wall	8EX-03	2/12/2014	10,000
Caulk	1st	1st Floor-Main Entrance (Under Canopy)	Gray	Concrete	Sidewalk Expansion -Gray Caulk	9EX-01	2/12/2014	140
Caulk	1st	1st Floor-Main Entrance (Under Canopy)	Gray	Concrete & Soil	Sidewalk Expansion -Gray Caulk	9EX-02	2/12/2014	64
Caulk	2nd	2nd Floor-Roof	Gray	Stucco & Metal	Metal Door Frame - Gray Caulk	10EX-01	2/12/2014	94
Caulk	2nd	2nd Floor-Roof	Black	Metal & Glass	Metal Window Frame - Black Caulk	11EX-01	2/12/2014	27
Caulk	5th	5th Floor-Roof	Black	Metal & Glass	Metal Window Frame - Black Caulk	11EX-02	2/12/2014	19
Caulk	7th	5th Floor-Roof	Black	Metal & Glass	Metal Window Frame - Black Caulk	11EX-03	2/12/2014	1,000



Caulk Sample Results Table								
Material	Floor	Location	Caulk Color	Substrate	Homogeneous Area	Sample No.	Sample Date	Result (mg/kg*)
Caulk	2nd	2nd Floor-Roof	Black	Metal	Metal Brown Panels Frame	12EX-01	2/12/2014	<0.33
Caulk	5th	5th Floor-Roof	Black	Metal	Metal Brown Panels Frame	12EX-02	2/12/2014	41
Caulk	7th	7th Floor-Roof	Black	Metal	Metal Brown Panels Frame	12EX-03	2/12/2014	4,600
Caulk	2nd	2nd Floor-Roof	Gray	Metal	HVAC	13EX-01	2/12/2014	25
Caulk	3rd	3rd Floor-Roof	Gray	Stucco & Metal	HVAC	13EX-02	2/12/2014	9.4
Caulk	3rd	3rd Floor-Roof	Gray	Stucco Wall-North	HVAC	13EX-03	2/12/2014	9.4
Caulk	2nd	2nd Floor-Roof	White	Metal & Glass	Metal Window Frame	14EX-01	2/12/2014	2.7
Caulk	3rd	3rd Floor-Roof	Black	Concrete & Glass	Concrete Column	15EX-01	2/12/2014	250,000
Caulk	5th	5th Floor-Roof	Black	Concrete & Glass	Concrete Column	15EX-02	2/12/2014	190,000
Caulk	7th	7th Floor-Roof	Black	Concrete & Glass	Concrete Column	15EX-03	2/12/2014	230,000
Caulk	3rd	3rd Floor-Roof	Gray	Stucco & Metal	Stucco Wall	16EX-01	2/12/2014	340
Caulk	Roof	Main Roof-Center Mechanical Room (NW)	Gray	Concrete	Concrete Wall	17EX-01	2/12/2014	290
Caulk	Roof	Main Roof-Center Mechanical Room (Westside)	Gray	Concrete	Concrete Wall	17EX-02	2/12/2014	84
Caulk	Roof	Main Roof-West Duct	Beige	Metal	HVAC Duct	18EX-01	2/12/2014	85
Caulk	Roof	Main Roof-East Duct	Beige	Metal	HVAC Duct	18EX-02	2/12/2014	130



Caulk Sample Results Table								
Material	Fl	Location	Caulk Color	Substrate	Homogeneous Area	Sample No.	Sample Date	Result (mg/kg*)
Caulk	--	SW	Black	Metal	White panel frame - S elev	EXW-01	2/21/2014	<3.3
Caulk	--	Center	Black	Metal	White panel frame - S elev	EXW-02	2/21/2014	<33
Caulk	--	Upper Center	Black	Metal	White panel frame - S elev	EXW-03	2/21/2014	<3.3
Caulk	--	SW	Black	Metal	Brown panel frame - S elev	EXB-01	2/21/2014	<33
Caulk	--	Center	Black	Metal	Brown panel frame - S elev	EXB-02	2/21/2014	<3.3
Caulk	--	SE	Black	Metal	Brown panel frame - S elev	EXB-03	2/21/2014	540
Caulk	--	East Stairwell - Panels	Gray	Metal	E Stairwell	EXP-01	2/21/2014	7000
Caulk	--	East Stairwell - Panels	Gray	Metal	E Stairwell	EXP-02	2/21/2014	10000
Caulk	--	East Stairwell - Panels	Gray	Metal	E Stairwell	EXP-03	2/21/2014	9200
Caulk	7	North Block Wall	Tan	Metal & Concrete	North Block Wall	EH-01	3/13/2014	280,000
Caulk	7	North Block Wall	Tan	Metal & Concrete	North Block Wall	EV-01	3/13/2014	330,000
Caulk	6	North Block Wall	Tan	Metal & Concrete	North Block Wall	EH-02	3/13/2014	63,000
Caulk	6	North Block Wall	Tan	Metal & Concrete	North Block Wall	EV-02	3/13/2014	290,000
Caulk	7	Concrete Column and Slab	Tan	Concrete	Concrete Column and Slab	ECC-01	3/13/2014	290,000
Caulk	6	Concrete Column and Slab	Tan	Concrete	Concrete Column and Slab	ECC-02	3/13/2014	170,000

Note:
Results in bold are those that exceed the 50 ppm criteria.
* mg/kg = ppm



Porous Substrate Sample Results Table								
Substrate Material	Floor	Location	Homogenous Area	Caulk PCB Concentration (mg/kg*)	Distance	Sample No	Sample Date	Result (mg/kg*)
Grout	1st	1st Floor-Main North Entrance	Pebble Wall	18,000	0-5"	8EX01-01A	2/26/2014	0.8
Grout	1st	1st Floor-Main North Entrance	Pebble Wall		2-3"	8EX01-01B	2/26/2014	0.19
Grout	1st	1st Floor-Main North Entrance	Pebble Wall		5-6"	8EX01-01C	2/26/2014	<0.033
Grout	1st	Main Roof	Pebble Wall	10,000	0-5"	8EX03-01A	2/26/2014	0.33
Grout	1st	Main Roof	Pebble Wall		2-3"	8EX03-01B	2/26/2014	<0.033
Grout	1st	Main Roof	Pebble Wall		5-6"	8EX03-01C	2/26/2014	<0.033
Concrete	3rd	3rd Floor-Roof	Concrete Column	250,000	0-5"	15EX01-01A	2/26/2014	13
Concrete	3rd	3rd Floor-Roof	Concrete Column		2-3"	15EX01-01B	2/26/2014	0.53
Concrete	3rd	3rd Floor-Roof	Concrete Column		5-6"	15EX01-01C	2/26/2014	0.88
Concrete	5th	5th Floor-Roof	Concrete Column	190,000	0-5"	15EX02-01A	2/26/2014	25
Concrete	5th	5th Floor-Roof	Concrete Column		2-3"	15EX02-01B	2/26/2014	4.6
Concrete	5th	5th Floor-Roof	Concrete Column		5-6"	15EX02-01C	2/26/2014	1.1
Stucco	3rd	3rd Floor-Roof	Stucco Wall	340	0-5"	16EX01-01A	2/26/2014	0.34
Stucco	3rd	3rd Floor-Roof	Stucco Wall		2-3"	16EX01-01B	2/26/2014	0.23
Stucco	3rd	3rd Floor-Roof	Stucco Wall		5-6"	16EX01-01C	2/26/2014	0.34
Stucco	3rd	3rd Floor-Roof	Stucco Wall	Duplicate to 16EX01-01A	0-5"	16EX01-DUP	2/26/2014	0.14
Concrete	Roof	Main Roof-Center Mechanical Room (NW)	Concrete Wall	240	0-5"	17EX01-01A	2/26/2014	<0.033
Concrete	Roof	Main Roof-Center Mechanical Room (NW)	Concrete Wall		2-3"	17EX01-01A	2/26/2014	<0.033



Porous Substrate Sample Results Table								
Substrate Material	Fl	Location	Homogenous Area	Caulk PCB Concentration (mg/kg*)	Distance	Sample No	Sample Date	Result (mg/kg*)
Concrete	Roof	Main Roof-Center Mechanical Room (NW)	Concrete Wall	240	5-6"	17EX01-01A	2/26/2014	<0.033
Concrete	Roof	Main Roof-Center Mechanical Room (Westside)	Concrete Wall	80	0-.5"	17EX02-01A	3/3/2014	<0.067
Concrete	Roof	Main Roof-Center Mechanical Room (Westside)	Concrete Wall		2-3"	17EX02-01B	3/3/2014	<0.067
Concrete	Roof	Main Roof-Center Mechanical Room (Westside)	Concrete Wall		5-6"	17EX02-01C	3/3/2014	<0.067
CMU	7th	North Block Wall	Concrete Block	Caulk results - 63,000 - 290,000	0-.5"	E7-01	3/13/2014	17
CMU	7th	North Block Wall	Concrete Block		2-3"	E7-02	3/13/2014	1.4
CMU	7th	North Block Wall	Concrete Block		5-6"	E7-03	3/13/2014	0.83
CMU	6th	North Block Wall	Concrete Block	Caulk results - 63,000 - 290,000	0-.5"	E6-01	3/13/2014	9.2
CMU	6th	North Block Wall	Concrete Block		2-3"	E6-02	3/13/2014	0.49



Porous Substrate Sample Results Table								
Substrate Material	Fl	Location	Homogenous Area	Caulk PCB Concentration (mg/kg*)	Distance	Sample No	Sample Date	Result (mg/kg*)
CMU	6th	North Block Wall	Concrete Block	Caulk results - 63,000 - 290,000	5-6"	E6-03	3/13/2014	0.94
Concrete	7th	Brown Panels - North Elevation	Concrete Deck	Caulk Results - 290,000	0-0.5"	7N-Deck-01	4/1/2014	97
Concrete	7th	Brown Panels - North Elevation	Concrete Deck		2-3"	7N-Deck-02	4/1/2014	3
Concrete	7th	Brown Panels - North Elevation	Concrete Deck		7-8"	7N-Deck-03	4/1/2014	0.71
Concrete	7th	Brown Panels - North Elevation	Concrete Deck		13-14"	7N-Deck-04	4/1/2014	0.36
Concrete	6th	CMU - North Elevation	Concrete Deck	Caulk Results - 63,000-280,000	0-0.5"	6N-Deck-01	4/1/2014	0.47
Concrete	6th	CMU - North Elevation	Concrete Deck		2-3"	6N-Deck-02	4/1/2014	0.05
Concrete	6th	CMU - North Elevation	Concrete Deck		7-8"	6N-Deck-03	4/1/2014	0.06
Concrete	6th	CMU - North Elevation	Concrete Deck		13-14"	6N-Deck-04	4/1/2014	0.63



Porous Substrate Sample Results Table									
Substrate Material	Substrate Material	Substrate Material	Substrate Material	Substrate Material	Substrate Material	Substrate Material	Substrate Material	Substrate Material	Substrate Material
Concrete	5th	Concrete Column - North Elevation	Concrete Deck	Caulk results – 170,000	0-0.5"	5N-Deck-01	4/1/2014	<0.033	
Concrete	5th	Concrete Column - North Elevation	Concrete Deck		2-3"	5N-Deck-02	4/1/2014	No Sample	
Concrete	5th	Concrete Column - North Elevation	Concrete Deck		7-8"	5N-Deck-03	4/1/2014	<0.033	
Concrete	5th	Concrete Column - North Elevation	Concrete Deck		13-14"	5N-Deck-04	4/1/2014	0.09	
Concrete	3rd	Brown Panel - South Elevation	Concrete Deck	Caulk results – 540	0-0.5"	3S-Deck-01	4/1/2014	No Sample	
Concrete	3rd	Brown Panel - South Elevation	Concrete Deck		2-3"	3S-Deck-02	4/1/2014	0.69	
Concrete	3rd	Brown Panel - South Elevation	Concrete Deck		7-8"	3S-Deck-03	4/1/2014	0.47	
Concrete	3rd	Brown Panel - South Elevation	Concrete Deck		13-14"	3S-Deck-04	4/1/2014	0.32	

Note:
Results in bold are those that exceed the 50 ppm criteria.
* mg/kg = ppm





ANALYTICAL REPORT

Report Date: February 18, 2014

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Workorder: **34-1404421**

Project ID: KP Bellflower

Purchase Order: PJ20631

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
EX-01	1404421001	02/12/14	02/13/14	KP Bellflower
1EX-01	1404421002	02/12/14	02/13/14	KP Bellflower
2EX-01	1404421003	02/12/14	02/13/14	KP Bellflower
2EX-02	1404421004	02/12/14	02/13/14	KP Bellflower
3EX-01	1404421005	02/12/14	02/13/14	KP Bellflower
4EX-01	1404421006	02/12/14	02/13/14	KP Bellflower
4EX-02	1404421007	02/12/14	02/13/14	KP Bellflower
4EX-03	1404421008	02/12/14	02/13/14	KP Bellflower
5EX-01	1404421009	02/12/14	02/13/14	KP Bellflower
5EX-02	1404421010	02/12/14	02/13/14	KP Bellflower
6EX-01	1404421011	02/12/14	02/13/14	KP Bellflower
7EX-01	1404421012	02/12/14	02/13/14	KP Bellflower
7EX-02	1404421013	02/12/14	02/13/14	KP Bellflower
7EX-03	1404421014	02/12/14	02/13/14	KP Bellflower
8EX-01	1404421015	02/12/14	02/13/14	KP Bellflower
8EX-02	1404421016	02/12/14	02/13/14	KP Bellflower
8EX-03	1404421017	02/12/14	02/13/14	KP Bellflower
9EX-01	1404421018	02/12/14	02/13/14	KP Bellflower
9EX-02	1404421019	02/12/14	02/13/14	KP Bellflower
10EX-01	1404421020	02/12/14	02/13/14	KP Bellflower
11EX-01	1404421021	02/12/14	02/13/14	KP Bellflower
11EX-02	1404421022	02/12/14	02/13/14	KP Bellflower
11EX-03	1404421023	02/12/14	02/13/14	KP Bellflower
12EX-01	1404421024	02/12/14	02/13/14	KP Bellflower
12EX-02	1404421025	02/12/14	02/13/14	KP Bellflower
12EX-03	1404421026	02/12/14	02/13/14	KP Bellflower
13EX-01	1404421027	02/12/14	02/13/14	KP Bellflower
13EX-02	1404421028	02/12/14	02/13/14	KP Bellflower
13EX-03	1404421029	02/12/14	02/13/14	KP Bellflower



ANALYTICAL REPORT

Workorder: **34-1404421**

Project ID: KP Bellflower

Purchase Order: PJ20631

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
14EX-01	1404421030	02/12/14	02/13/14	KP Bellflower
15EX-01	1404421031	02/12/14	02/13/14	KP Bellflower
15EX-02	1404421032	02/12/14	02/13/14	KP Bellflower
15EX-03	1404421033	02/12/14	02/13/14	KP Bellflower
16EX-01	1404421034	02/12/14	02/13/14	KP Bellflower
17EX-01	1404421035	02/12/14	02/13/14	KP Bellflower
17EX-02	1404421036	02/12/14	02/13/14	KP Bellflower
18EX-01	1404421037	02/12/14	02/13/14	KP Bellflower
18EX-02	1404421038	02/12/14	02/13/14	KP Bellflower



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421001	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 0.48 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<2100	2100	62500
Aroclor 1260	<2100	2100	62500
Aroclor 1221	<4200	4200	62500
Aroclor 1232	<2100	2100	62500
Aroclor 1242	<2100	2100	62500
Aroclor 1248	<2100	2100	62500
Aroclor 1254	120000	2100	62500
Aroclor 1268	<2100	2100	62500
Aroclor 1262	<2100	2100	62500

Sample ID: 1EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421002	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 0.4 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<2500	2500	75000
Aroclor 1260	50000	2500	75000
Aroclor 1221	<5000	5000	75000
Aroclor 1232	<2500	2500	75000
Aroclor 1242	<2500	2500	75000
Aroclor 1248	<2500	2500	75000
Aroclor 1254	<2500	2500	75000
Aroclor 1268	<2500	2500	75000
Aroclor 1262	<2500	2500	75000



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 2EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421003	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 3.12 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte			
Aroclor 1016	<3.2	3.2	96
Aroclor 1260	24	3.2	96
Aroclor 1221	<6.4	6.4	96
Aroclor 1232	<3.2	3.2	96
Aroclor 1242	<3.2	3.2	96
Aroclor 1248	<3.2	3.2	96
Aroclor 1254	<3.2	3.2	96
Aroclor 1268	<3.2	3.2	96
Aroclor 1262	<3.2	3.2	96

Sample ID: 2EX-02	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421004	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 2.53 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte			
Aroclor 1016	<3.9	3.9	119
Aroclor 1260	<3.9	3.9	119
Aroclor 1221	<8.0	8.0	119
Aroclor 1232	<3.9	3.9	119
Aroclor 1242	<3.9	3.9	119
Aroclor 1248	<3.9	3.9	119
Aroclor 1254	4.8	3.9	119
Aroclor 1268	<3.9	3.9	119
Aroclor 1262	<3.9	3.9	119



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 3EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421005	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 2.01 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte ppm RL (ppm) Dilution Qual.			
Aroclor 1016	<0.49	0.49	14.9
Aroclor 1260	<0.49	0.49	14.9
Aroclor 1221	<1.0	1.0	14.9
Aroclor 1232	<0.49	0.49	14.9
Aroclor 1242	<0.49	0.49	14.9
Aroclor 1248	<0.49	0.49	14.9
Aroclor 1254	8.5	0.49	14.9
Aroclor 1268	<0.49	0.49	14.9
Aroclor 1262	<0.49	0.49	14.9

Sample ID: **4EX-01**

Sampling Site: KP Bellflower

Collected: 02/12/2014

Lab ID: 1404421006

Media: Bulk

Received: 02/13/2014

Matrix: Soil/Solid/Sediment

Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 1.05 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte ppm RL (ppm) Dilution Qual.			
Aroclor 1016	<940	940	28600
Aroclor 1260	<940	940	28600
Aroclor 1221	<1900	1900	28600
Aroclor 1232	<940	940	28600
Aroclor 1242	<940	940	28600
Aroclor 1248	<940	940	28600
Aroclor 1254	22000	940	28600
Aroclor 1268	<940	940	28600
Aroclor 1262	<940	940	28600



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 4EX-02	Sampling Site: KP Bellflower	Collected: 02/12/2014		
Lab ID: 1404421007	Media: Bulk	Received: 02/13/2014		
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA			
Analysis Method - SW 8082				
Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 3.04 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00		
Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3.3	3.3	98.7	
Aroclor 1260	<3.3	3.3	98.7	
Aroclor 1221	<6.6	6.6	98.7	
Aroclor 1232	<3.3	3.3	98.7	
Aroclor 1242	<3.3	3.3	98.7	
Aroclor 1248	<3.3	3.3	98.7	
Aroclor 1254	34	3.3	98.7	
Aroclor 1268	<3.3	3.3	98.7	
Aroclor 1262	<3.3	3.3	98.7	

Sample ID: 4EX-03	Sampling Site: KP Bellflower	Collected: 02/12/2014		
Lab ID: 1404421008	Media: Bulk	Received: 02/13/2014		
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA			
Analysis Method - SW 8082				
Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 3.01 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00		
Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3.3	3.3	99.7	
Aroclor 1260	<3.3	3.3	99.7	
Aroclor 1221	<6.7	6.7	99.7	
Aroclor 1232	<3.3	3.3	99.7	
Aroclor 1242	<3.3	3.3	99.7	
Aroclor 1248	<3.3	3.3	99.7	
Aroclor 1254	46	3.3	99.7	
Aroclor 1268	<3.3	3.3	99.7	
Aroclor 1262	<3.3	3.3	99.7	



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 5EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421009	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 3.02 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte ppm RL (ppm) Dilution Qual.			
Aroclor 1016	<0.33	0.33	9.93
Aroclor 1260	<0.33	0.33	9.93
Aroclor 1221	<0.67	0.67	9.93
Aroclor 1232	<0.33	0.33	9.93
Aroclor 1242	<0.33	0.33	9.93
Aroclor 1248	<0.33	0.33	9.93
Aroclor 1254	15	0.33	9.93
Aroclor 1268	<0.33	0.33	9.93
Aroclor 1262	<0.33	0.33	9.93

Sample ID: 5EX-02	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421010	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 1.3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte ppm RL (ppm) Dilution Qual.			
Aroclor 1016	<760	760	23100
Aroclor 1260	<760	760	23100
Aroclor 1221	<1500	1500	23100
Aroclor 1232	<760	760	23100
Aroclor 1242	<760	760	23100
Aroclor 1248	<760	760	23100
Aroclor 1254	23000	760	23100
Aroclor 1268	<760	760	23100
Aroclor 1262	<760	760	23100



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: 6EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421011	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 3.06 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte			
Aroclor 1016	ppm	RL (ppm)	Dilution
<3.2		3.2	98
Aroclor 1260			
<3.2		3.2	98
Aroclor 1221			
<6.6		6.6	98
Aroclor 1232			
<3.2		3.2	98
Aroclor 1242			
<3.2		3.2	98
Aroclor 1248			
<3.2		3.2	98
Aroclor 1254			
230		3.2	98
Aroclor 1268			
<3.2		3.2	98
Aroclor 1262			
<3.2		3.2	98

Sample ID: 7EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421012	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 1.23 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte			
Aroclor 1016	ppm	RL (ppm)	Dilution
<810		810	24400
Aroclor 1260			
<810		810	24400
Aroclor 1221			
<1600		1600	24400
Aroclor 1232			
<810		810	24400
Aroclor 1242			
<810		810	24400
Aroclor 1248			
<810		810	24400
Aroclor 1254			
21000		810	24400
Aroclor 1268			
<810		810	24400
Aroclor 1262			
<810		810	24400



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 7EX-02	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421013	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 1.06 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<930	930	28300
Aroclor 1260	<930	930	28300
Aroclor 1221	<1900	1900	28300
Aroclor 1232	<930	930	28300
Aroclor 1242	<930	930	28300
Aroclor 1248	<930	930	28300
Aroclor 1254	14000	930	28300
Aroclor 1268	<930	930	28300
Aroclor 1262	<930	930	28300

Sample ID: 7EX-03	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421014	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 0.63 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<1600	1600	47600
Aroclor 1260	<1600	1600	47600
Aroclor 1221	<3200	3200	47600
Aroclor 1232	<1600	1600	47600
Aroclor 1242	<1600	1600	47600
Aroclor 1248	<1600	1600	47600
Aroclor 1254	27000	1600	47600
Aroclor 1268	<1600	1600	47600
Aroclor 1262	<1600	1600	47600



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 8EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421015	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 3.05 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<330	330	10000
Aroclor 1260	<330	330	10000
Aroclor 1221	<670	670	10000
Aroclor 1232	<330	330	10000
Aroclor 1242	<330	330	10000
Aroclor 1248	<330	330	10000
Aroclor 1254	18000	330	10000
Aroclor 1268	<330	330	10000
Aroclor 1262	<330	330	10000

Sample ID: 8EX-02	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421016	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<3.3	3.3	100
Aroclor 1260	<3.3	3.3	100
Aroclor 1221	<6.7	6.7	100
Aroclor 1232	<3.3	3.3	100
Aroclor 1242	<3.3	3.3	100
Aroclor 1248	<3.3	3.3	100
Aroclor 1254	240	3.3	100
Aroclor 1268	<3.3	3.3	100
Aroclor 1262	<3.3	3.3	100



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 8EX-03	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421017	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 3.11 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte ppm RL (ppm) Dilution Qual.			
Aroclor 1016	<330	330	10000
Aroclor 1260	<330	330	10000
Aroclor 1221	<670	670	10000
Aroclor 1232	<330	330	10000
Aroclor 1242	<330	330	10000
Aroclor 1248	10000	330	10000
Aroclor 1254	<330	330	10000
Aroclor 1268	<330	330	10000
Aroclor 1262	<330	330	10000

Sample ID: **9EX-01**

Sampling Site: KP Bellflower

Collected: 02/12/2014

Lab ID: 1404421018

Media: Bulk

Received: 02/13/2014

Matrix: Soil/Solid/Sediment

Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 3.07 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte ppm RL (ppm) Dilution Qual.			
Aroclor 1016	<3.2	3.2	97.7
Aroclor 1260	<3.2	3.2	97.7
Aroclor 1221	<6.5	6.5	97.7
Aroclor 1232	<3.2	3.2	97.7
Aroclor 1242	<3.2	3.2	97.7
Aroclor 1248	<3.2	3.2	97.7
Aroclor 1254	140	3.2	97.7
Aroclor 1268	<3.2	3.2	97.7
Aroclor 1262	<3.2	3.2	97.7



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 9EX-02	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421019	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 3.08 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<3.2	3.2	97.4
Aroclor 1260	<3.2	3.2	97.4
Aroclor 1221	<6.5	6.5	97.4
Aroclor 1232	<3.2	3.2	97.4
Aroclor 1242	<3.2	3.2	97.4
Aroclor 1248	<3.2	3.2	97.4
Aroclor 1254	64	3.2	97.4
Aroclor 1268	<3.2	3.2	97.4
Aroclor 1262	<3.2	3.2	97.4

Sample ID: **10EX-01**

Sampling Site: KP Bellflower

Collected: 02/12/2014

Lab ID: 1404421020

Media: Bulk

Received: 02/13/2014

Matrix: Soil/Solid/Sediment

Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18354 (HBN: 121543) Prepared: 02/13/2014	<u>Weight/Volume</u> Initial: 2.05 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4835 (HBN: 121605) Analyzed: 02/16/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<4.8	4.8	146
Aroclor 1260	<4.8	4.8	146
Aroclor 1221	<9.8	9.8	146
Aroclor 1232	<4.8	4.8	146
Aroclor 1242	<4.8	4.8	146
Aroclor 1248	<4.8	4.8	146
Aroclor 1254	94	4.8	146
Aroclor 1268	<4.8	4.8	146
Aroclor 1262	<4.8	4.8	146



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 11EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421021	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 1.02 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<9.7	9.7	294
Aroclor 1260	<9.7	9.7	294
Aroclor 1221	<20	20	294
Aroclor 1232	<9.7	9.7	294
Aroclor 1242	<9.7	9.7	294
Aroclor 1248	<9.7	9.7	294
Aroclor 1254	27	9.7	294
Aroclor 1268	<9.7	9.7	294
Aroclor 1262	<9.7	9.7	294

Sample ID: **11EX-02**

Sampling Site: KP Bellflower

Collected: 02/12/2014

Lab ID: 1404421022

Media: Bulk

Received: 02/13/2014

Matrix: Soil/Solid/Sediment

Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<3.3	3.3	100
Aroclor 1260	<3.3	3.3	100
Aroclor 1221	<6.7	6.7	100
Aroclor 1232	<3.3	3.3	100
Aroclor 1242	<3.3	3.3	100
Aroclor 1248	<3.3	3.3	100
Aroclor 1254	19	3.3	100
Aroclor 1268	<3.3	3.3	100
Aroclor 1262	<3.3	3.3	100



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 11EX-03	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421023	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<33	33	1000
Aroclor 1260	<33	33	1000
Aroclor 1221	<67	67	1000
Aroclor 1232	<33	33	1000
Aroclor 1242	<33	33	1000
Aroclor 1248	<33	33	1000
Aroclor 1254	1000	33	1000
Aroclor 1268	<33	33	1000
Aroclor 1262	<33	33	1000

Sample ID: **12EX-01**

Sampling Site: KP Bellflower

Collected: 02/12/2014

Lab ID: 1404421024

Media: Bulk

Received: 02/13/2014

Matrix: Soil/Solid/Sediment

Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<0.33	0.33	10
Aroclor 1260	<0.33	0.33	10
Aroclor 1221	<0.67	0.67	10
Aroclor 1232	<0.33	0.33	10
Aroclor 1242	<0.33	0.33	10
Aroclor 1248	<0.33	0.33	10
Aroclor 1254	<0.33	0.33	10
Aroclor 1268	<0.33	0.33	10
Aroclor 1262	<0.33	0.33	10



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 12EX-02	Sampling Site: KP Bellflower	Collected: 02/12/2014		
Lab ID: 1404421025	Media: Bulk	Received: 02/13/2014		
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA			
Analysis Method - SW 8082				
Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 2.58 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet	
Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3.8	3.8	116	
Aroclor 1260	<3.8	3.8	116	
Aroclor 1221	<7.8	7.8	116	
Aroclor 1232	<3.8	3.8	116	
Aroclor 1242	<3.8	3.8	116	
Aroclor 1248	<3.8	3.8	116	
Aroclor 1254	41	3.8	116	
Aroclor 1268	<3.8	3.8	116	
Aroclor 1262	<3.8	3.8	116	

Sample ID: 12EX-03	Sampling Site: KP Bellflower	Collected: 02/12/2014		
Lab ID: 1404421026	Media: Bulk	Received: 02/13/2014		
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA			
Analysis Method - SW 8082				
Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 0.64 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet	
Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<150	150	4690	
Aroclor 1260	<150	150	4690	
Aroclor 1221	<310	310	4690	
Aroclor 1232	<150	150	4690	
Aroclor 1242	<150	150	4690	
Aroclor 1248	<150	150	4690	
Aroclor 1254	4600	150	4690	
Aroclor 1268	<150	150	4690	
Aroclor 1262	<150	150	4690	



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 13EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421027	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil	<u>Weight/Volume</u>	Analysis: SW 8082, Soil	Instrument ID: GCE03
Batch: ENVX/18358 (HBN: 121603)	Initial: 1.03 grams	Batch: EGC/4836 (HBN: 121608)	Percent Solid: NA
Prepared: 02/14/2014	Final: 10 mL	Analyzed: 02/17/2014 00:00	Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<9.6	9.6	291	
Aroclor 1260	<9.6	9.6	291	
Aroclor 1221	<19	19	291	
Aroclor 1232	<9.6	9.6	291	
Aroclor 1242	<9.6	9.6	291	
Aroclor 1248	<9.6	9.6	291	
Aroclor 1254	25	9.6	291	
Aroclor 1268	<9.6	9.6	291	
Aroclor 1262	<9.6	9.6	291	

Sample ID: 13EX-02	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421028	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil	<u>Weight/Volume</u>	Analysis: SW 8082, Soil	Instrument ID: GCE03
Batch: ENVX/18358 (HBN: 121603)	Initial: 2.15 grams	Batch: EGC/4836 (HBN: 121608)	Percent Solid: NA
Prepared: 02/14/2014	Final: 10 mL	Analyzed: 02/17/2014 00:00	Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.46	0.46	14	
Aroclor 1260	<0.46	0.46	14	
Aroclor 1221	<0.94	0.94	14	
Aroclor 1232	<0.46	0.46	14	
Aroclor 1242	<0.46	0.46	14	
Aroclor 1248	<0.46	0.46	14	
Aroclor 1254	9.4	0.46	14	
Aroclor 1268	<0.46	0.46	14	
Aroclor 1262	<0.46	0.46	14	



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 13EX-03	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421029	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil	<u>Weight/Volume</u>	Analysis: SW 8082, Soil	Instrument ID: GCE03
Batch: ENVX/18358 (HBN: 121603)	Initial: 0.38 grams	Batch: EGC/4836 (HBN: 121608)	Percent Solid: NA
Prepared: 02/14/2014	Final: 10 mL	Analyzed: 02/17/2014 00:00	Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<2.6	2.6	78.9	
Aroclor 1260	<2.6	2.6	78.9	
Aroclor 1221	<5.3	5.3	78.9	
Aroclor 1232	<2.6	2.6	78.9	
Aroclor 1242	<2.6	2.6	78.9	
Aroclor 1248	<2.6	2.6	78.9	
Aroclor 1254	9.4	2.6	78.9	
Aroclor 1268	<2.6	2.6	78.9	
Aroclor 1262	<2.6	2.6	78.9	

Sample ID: 14EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421030	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil	<u>Weight/Volume</u>	Analysis: SW 8082, Soil	Instrument ID: GCE03
Batch: ENVX/18358 (HBN: 121603)	Initial: 1.03 grams	Batch: EGC/4836 (HBN: 121608)	Percent Solid: NA
Prepared: 02/14/2014	Final: 10 mL	Analyzed: 02/17/2014 00:00	Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<0.96	0.96	29	
Aroclor 1260	<0.96	0.96	29	
Aroclor 1221	<1.9	1.9	29	
Aroclor 1232	<0.96	0.96	29	
Aroclor 1242	<0.96	0.96	29	
Aroclor 1248	<0.96	0.96	29	
Aroclor 1254	2.7	0.96	29	
Aroclor 1268	<0.96	0.96	29	
Aroclor 1262	<0.96	0.96	29	



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 15EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421031	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 2.63 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
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Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3600	3600	110000	
Aroclor 1260	<3600	3600	110000	
Aroclor 1221	<7400	7400	110000	
Aroclor 1232	<3600	3600	110000	
Aroclor 1242	<3600	3600	110000	
Aroclor 1248	<3600	3600	110000	
Aroclor 1254	250000	3600	110000	
Aroclor 1268	<3600	3600	110000	
Aroclor 1262	<3600	3600	110000	

Sample ID: 15EX-02	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421032	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
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Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3300	3300	100000	
Aroclor 1260	<3300	3300	100000	
Aroclor 1221	<6700	6700	100000	
Aroclor 1232	<3300	3300	100000	
Aroclor 1242	<3300	3300	100000	
Aroclor 1248	<3300	3300	100000	
Aroclor 1254	190000	3300	100000	
Aroclor 1268	<3300	3300	100000	
Aroclor 1262	<3300	3300	100000	



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 15EX-03	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421033	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	Weight/Volume Initial: 3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte			
Aroclor 1016	ppm	RL (ppm)	Dilution
<3300	3300	100000	
Aroclor 1260	<3300	3300	100000
Aroclor 1221	<6700	6700	100000
Aroclor 1232	<3300	3300	100000
Aroclor 1242	<3300	3300	100000
Aroclor 1248	<3300	3300	100000
Aroclor 1254	230000	3300	100000
Aroclor 1268	<3300	3300	100000
Aroclor 1262	<3300	3300	100000

Sample ID: **16EX-01**

Sampling Site: KP Bellflower

Collected: 02/12/2014

Lab ID: 1404421034

Media: Bulk

Received: 02/13/2014

Matrix: Soil/Solid/Sediment

Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	Weight/Volume Initial: 3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte			
Aroclor 1016	ppm	RL (ppm)	Dilution
<3.3	3.3	100	
Aroclor 1260	<3.3	3.3	100
Aroclor 1221	<6.7	6.7	100
Aroclor 1232	<3.3	3.3	100
Aroclor 1242	<3.3	3.3	100
Aroclor 1248	<3.3	3.3	100
Aroclor 1254	340	3.3	100
Aroclor 1268	<3.3	3.3	100
Aroclor 1262	<3.3	3.3	100



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 17EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421035	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<3.3	3.3	100
Aroclor 1260	<3.3	3.3	100
Aroclor 1221	<6.7	6.7	100
Aroclor 1232	<3.3	3.3	100
Aroclor 1242	<3.3	3.3	100
Aroclor 1248	<3.3	3.3	100
Aroclor 1254	290	3.3	100
Aroclor 1268	<3.3	3.3	100
Aroclor 1262	<3.3	3.3	100

Sample ID: **17EX-02**

Sampling Site: KP Bellflower

Collected: 02/12/2014

Lab ID: 1404421036

Media: Bulk

Received: 02/13/2014

Matrix: Soil/Solid/Sediment

Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<3.3	3.3	100
Aroclor 1260	<3.3	3.3	100
Aroclor 1221	<6.7	6.7	100
Aroclor 1232	<3.3	3.3	100
Aroclor 1242	<3.3	3.3	100
Aroclor 1248	<3.3	3.3	100
Aroclor 1254	84	3.3	100
Aroclor 1268	<3.3	3.3	100
Aroclor 1262	<3.3	3.3	100



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: 18EX-01	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421037	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 3 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<3.3	3.3	100
Aroclor 1260	<3.3	3.3	100
Aroclor 1221	<6.7	6.7	100
Aroclor 1232	<3.3	3.3	100
Aroclor 1242	<3.3	3.3	100
Aroclor 1248	<3.3	3.3	100
Aroclor 1254	85	3.3	100
Aroclor 1268	<3.3	3.3	100
Aroclor 1262	<3.3	3.3	100

Sample ID: 18EX-02	Sampling Site: KP Bellflower	Collected: 02/12/2014
Lab ID: 1404421038	Media: Bulk	Received: 02/13/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18358 (HBN: 121603) Prepared: 02/14/2014	<u>Weight/Volume</u> Initial: 0.78 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4836 (HBN: 121608) Analyzed: 02/17/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<13	13	385
Aroclor 1260	<13	13	385
Aroclor 1221	<26	26	385
Aroclor 1232	<13	13	385
Aroclor 1242	<13	13	385
Aroclor 1248	<13	13	385
Aroclor 1254	130	13	385
Aroclor 1268	<13	13	385
Aroclor 1262	<13	13	385

Comments

Quality Control: SW 8082 - (HBN: 121605)
AR1016 recoveries for LCS/LCSD were outside of Historical Performance limits but inside for 8082 Method

Several surrogate recoveries were outside of QC due to matrix effect.

Quality Control: SW 8082 - (HBN: 121608)
Several sample surrogate recoveries were outside of QC limits due to matrix effect.

AR1016 recoveries for LCS/LCSD were outside of Historical Performance limits but inside 8082 Method limits.



ANALYTICAL REPORT

Workorder: **34-1404421**

Client: Forensic Analytical
Project Manager: Stella Hanis

Report Authorization

Method	Analyst	Peer Review
SW 8082	Mila V. Potekhin	Nadja Borges

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsslc.com

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACCLASS (DoD ELAP) Utah (NELAC) Nevada Oklahoma Iowa Florida (TNI) Texas (TNI)	ADE-1420 DATA1 UT00009 UT00009 IA# 376 E871067 T104704456-11-1	http://www.aclasscorp.com http://health.utah.gov/lab/labimp/ http://ndep.nv.gov/bsdw/labservice.htm http://www.deq.state.ok.us/CSDnew/ http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx http://www.dep.state.fl.us/labs/bars/sas/qa/ http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing: CPSC Soil, Dust, Paint ,Air	ACCLASS (ISO 17025, CPSC) AIHA (ISO 17025, AIHA ELLAP and NLLAP)	ADE-1420 101574	http://www.aclasscorp.com http://www.aihaaccreditedlabs.org
Dietary Supplements	ACCLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com



ANALYTICAL REPORT

Workorder: 34-1404421

Client: Forensic Analytical

Project Manager: Stella Hanis

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.

RL = Reporting Limit, a verified value of method/media/instrument sensitivity.

CRDL = Contract Required Detection Limit

Reg. Limit = Regulatory Limit.

ND = Not Detected, testing result not detected above the MDL or RL.

< This testing result is less than the numerical value.

** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.

J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

B = Qualifier indicates that the analyte was detected in the blank.

E = Qualifier indicates that the analyte result exceeds calibration range.

P = Qualifier indicates that the RPD between the two columns is greater than 40%.

ANALYTICAL REQUEST FORM



1. REGULAR Status

RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____

DATE

CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date 2-12-14 Purchase Order No. PJ20631

4. Quote No. _____

3. Company Name: Forensic Analytical Consulting Services

ALS Project Manager = Stella Hanis

Address 2959 Pacific Commerce Dr.

5. Sample Collection

Rancho Dominguez, CA

Sampling Site KP Bellflower

Person to Contact Michelle Rosales

Industrial Process _____

Telephone (310) 668-5617

Date of Collection 2-12-14

Fax Telephone (310) 763-8684

Time Collected _____

E-mail Address mrosales@forensicanalytical.com

Date of Shipment 2-12-14

Billing Address (if different from above)

Chain of Custody No. _____

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	<u>EX-01</u>			PCBs: 8082; 3540 or 3550 as appropriate	ppm
	<u>1 EX-01</u>				
	<u>2 EX-01</u>				
	<u>2 EX-02</u>				
	<u>3 EX-01</u>				
	<u>4 EX-01</u>				
	<u>4 EX-02</u>				
	<u>4 EX-03</u>				
	<u>5 EX-01</u>				
	<u>5 EX-02</u>				
	<u>6 EX-01</u>				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. mg/sample 2. mg/m³ 3. ppm 4. % 5. (other) Please indicate one or more units in the column entitled Units**

Comments _____

Possible Contamination and/or Chemical Hazards

Relinquished by MIC Date/Time 2-12-2014 1500

Received by _____ Date/Time _____

Relinquished by _____ Date/Time _____

Received by _____ Date/Time _____

Relinquished by _____ Date/Time _____

Received by _____ Date/Time _____

ANALYTICAL REQUEST FORM



1. REGULAR Status

<input type="checkbox"/> RUSH Status Requested - ADDITIONAL CHARGE RESULTS REQUIRED BY _____ DATE _____ CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES
--

2. Date 2-12-14 Purchase Order No. PJ20631

3. Company Name: Forensic Analytical Consulting Services

Address 2959 Pacific Commerce Dr.

Rancho Dominguez, CA

Person to Contact Michelle Rosales

Telephone (310) 668-5617

Fax Telephone (310) 763-8684

E-mail Address mrosales@forensicanalytical.com

Billing Address (if different from above)

4. Quote No. _____

ALS Project Manager = Stella Hanis

5. Sample Collection

Sampling Site KP Bellflower

Industrial Process _____

Date of Collection 2-12-14

Time Collected _____

Date of Shipment 2-12-14

Chain of Custody No. _____

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	<u>7EX-01</u>			PCBs: 8082; 3540 or 3550 as appropriate	ppm
	<u>1 02</u>				
	<u>1 03</u>				
	<u>8EX- 61</u>				
	<u>1 - 02</u>				
	<u>1 - 03</u>				
	<u>9EX- 01</u>				
	<u>1 - 02</u>				
	<u>10EX- 01</u>				
	<u>11EX- 01</u>				
	<u>11EX-02</u>				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. mg/sample 2. mg/m³ 3. ppm 4. % 5. (other) Please indicate one or more units in the column entitled Units**

Comments _____

Possible Contamination and/or Chemical Hazards

Relinquished by ✓ Date/Time 2-12-2014 1500

Received by _____ Date/Time _____

Relinquished by _____ Date/Time _____

Received by _____ Date/Time _____

Relinquished by _____ Date/Time _____

Received by _____ Date/Time _____

ANALYTICAL REQUEST FORM



1. REGULAR Status

RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____

DATE

CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date 2-12-14 Purchase Order No. PJ20631

4. Quote No. _____

3. Company Name: Forensic Analytical Consulting Services

ALS Project Manager = Stella Hanis

Address 2959 Pacific Commerce Dr.

5. Sample Collection

Rancho Dominguez, CA

Sampling Site KP Bellflower

Person to Contact Michelle Rosales

Industrial Process _____

Telephone (310) 668-5617

Date of Collection 2-12-14

Fax Telephone (310) 763-8684

Time Collected _____

E-mail Address mrosales@forensicanalytical.com

Date of Shipment 2-12-14

Billing Address (if different from above)

Chain of Custody No. _____

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	<u>11EX-03</u>			PCBs: 8082; 3540 or 3550 as appropriate	ppm
	<u>12EX-01</u>				
	<u>1 -02</u>				
	<u>1 -03</u>				
	<u>13EX-01</u>				
	<u>1 -02</u>				
	<u>1 -03</u>				
	<u>14EX-01</u>				
	<u>15EX-01</u>				
	<u>1 -02</u>				
	<u>1 -03</u>				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. mg/sample 2. mg/m³ 3. ppm 4. % 5. (other) Please indicate one or more units in the column entitled Units**

Comments _____

Possible Contamination and/or Chemical Hazards

Relinquished by [Signature] Date/Time 2-12-2014 1502

Received by _____ Date/Time _____

Relinquished by _____ Date/Time _____

Received by _____ Date/Time _____

Relinquished by _____ Date/Time _____

Received by _____ Date/Time _____

ANALYTICAL REQUEST FORM



1. REGULAR Status

RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____

DATE

CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date 2-12-14 Purchase Order No. PJ20631

4. Quote No. _____

3. Company Name: Forensic Analytical Consulting Services

ALS Project Manager = Stella Hanis

Address 2959 Pacific Commerce Dr.

5. Sample Collection

Sampling Site KP Bellflower

Rancho Dominguez, CA

Industrial Process _____

Person to Contact Michelle Rosales

Date of Collection 2-12-14

Telephone (310) 668-5617

Time Collected _____

Fax Telephone (310) 763-8684

Date of Shipment 2-12-14

E-mail Address mrosales@forensicanalytical.com

Chain of Custody No. _____

Billing Address (if different from above)

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	<u>16 EX-01</u>			PCBs: 8082; 3540 or 3550 as appropriate	ppm
	<u>17 EX-01</u>				
	<u>L -02</u>				
	<u>18 EX-01</u>				
	<u>L 02</u>				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. mg/sample 2. mg/m³ 3. ppm 4. % 5. (other) Please indicate one or more units in the column entitled Units**

Comments _____

Possible Contamination and/or Chemical Hazards

Relinquished by [Signature] Date/Time 2-12-2014 - 1502

Received by _____ Date/Time _____

Relinquished by _____ Date/Time _____

Received by _____ Date/Time _____

Relinquished by _____ Date/Time _____

Received by _____ Date/Time _____



ANALYTICAL REPORT

Report Date: February 26, 2014

Michelle Rosales
Forensic Analytical
2959 E Pacific Commerce Drive
Rancho Dominguez, CA 90221

Phone: (310) 668-5617
Fax: (310) 763-8684
E-mail: mrosales@forensicanalytical.com

Workorder: **34-1405513**

Project ID: PJ20631/KP Bellflower

Purchase Order: PJ20631

Client Sample ID	Lab ID	Collect Date	Receive Date	Sampling Site
EXW-01	1405513001	02/21/14	02/24/14	KP Bellflower
EXW-02	1405513002	02/21/14	02/24/14	KP Bellflower
EXW-03	1405513003	02/21/14	02/24/14	KP Bellflower
EXB-01	1405513004	02/21/14	02/24/14	KP Bellflower
EXB-02	1405513005	02/21/14	02/24/14	KP Bellflower
EXB-03	1405513006	02/21/14	02/24/14	KP Bellflower
EXP-01	1405513007	02/21/14	02/24/14	KP Bellflower
EXP-02	1405513008	02/21/14	02/24/14	KP Bellflower
EXP-03	1405513009	02/21/14	02/24/14	KP Bellflower



ANALYTICAL REPORT

Workorder: **34-1405513**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: EXW-01	Sampling Site: KP Bellflower	Collected: 02/21/2014
Lab ID: 1405513001	Media: Bulk	Received: 02/24/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18390 (HBN: 121988) Prepared: 02/24/2014	<u>Weight/Volume</u> Initial: 3.08 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4847 (HBN: 122095) Analyzed: 02/26/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<3.3	3.3	100
Aroclor 1260	<3.3	3.3	100
Aroclor 1221	<6.7	6.7	100
Aroclor 1232	<3.3	3.3	100
Aroclor 1242	<3.3	3.3	100
Aroclor 1248	<3.3	3.3	100
Aroclor 1254	<3.3	3.3	100
Aroclor 1268	<3.3	3.3	100
Aroclor 1262	<3.3	3.3	100

Sample ID: EXW-02	Sampling Site: KP Bellflower	Collected: 02/21/2014
Lab ID: 1405513002	Media: Bulk	Received: 02/24/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18390 (HBN: 121988) Prepared: 02/24/2014	<u>Weight/Volume</u> Initial: 3.01 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4847 (HBN: 122095) Analyzed: 02/26/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<33	33	1000
Aroclor 1260	<33	33	1000
Aroclor 1221	<67	67	1000
Aroclor 1232	<33	33	1000
Aroclor 1242	<33	33	1000
Aroclor 1248	<33	33	1000
Aroclor 1254	<33	33	1000
Aroclor 1268	<33	33	1000
Aroclor 1262	<33	33	1000



ANALYTICAL REPORT

Workorder: **34-1405513**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: EXW-03	Sampling Site: KP Bellflower	Collected: 02/21/2014		
Lab ID: 1405513003	Media: Bulk	Received: 02/24/2014		
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA			
Analysis Method - SW 8082				
Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18390 (HBN: 121988) Prepared: 02/24/2014	<u>Weight/Volume</u> Initial: 3.01 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4847 (HBN: 122095) Analyzed: 02/26/2014 00:00		
Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3.3	3.3	100	
Aroclor 1260	<3.3	3.3	100	
Aroclor 1221	<6.7	6.7	100	
Aroclor 1232	<3.3	3.3	100	
Aroclor 1242	<3.3	3.3	100	
Aroclor 1248	<3.3	3.3	100	
Aroclor 1254	<3.3	3.3	100	
Aroclor 1268	<3.3	3.3	100	
Aroclor 1262	<3.3	3.3	100	

Sample ID: EXB-01	Sampling Site: KP Bellflower	Collected: 02/21/2014		
Lab ID: 1405513004	Media: Bulk	Received: 02/24/2014		
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA			
Analysis Method - SW 8082				
Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18390 (HBN: 121988) Prepared: 02/24/2014	<u>Weight/Volume</u> Initial: 3.02 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4847 (HBN: 122095) Analyzed: 02/26/2014 00:00		
Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<33	33	1000	
Aroclor 1260	<33	33	1000	
Aroclor 1221	<67	67	1000	
Aroclor 1232	<33	33	1000	
Aroclor 1242	<33	33	1000	
Aroclor 1248	<33	33	1000	
Aroclor 1254	<33	33	1000	
Aroclor 1268	<33	33	1000	
Aroclor 1262	<33	33	1000	



ANALYTICAL REPORT

Workorder: **34-1405513**

Client: Forensic Analytical
Project Manager: Stella Hanis

Analytical Results

Sample ID: EXB-02	Sampling Site: KP Bellflower	Collected: 02/21/2014
Lab ID: 1405513005	Media: Bulk	Received: 02/24/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil	<u>Weight/Volume</u>	Analysis: SW 8082, Soil	Instrument ID: GCE03
Batch: ENVX/18390 (HBN: 121988)	Initial: 3 grams	Batch: EGC/4847 (HBN: 122095)	Percent Solid: NA
Prepared: 02/24/2014	Final: 10 mL	Analyzed: 02/26/2014 00:00	Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<3.3	3.3	100	
Aroclor 1260	<3.3	3.3	100	
Aroclor 1221	<6.7	6.7	100	
Aroclor 1232	<3.3	3.3	100	
Aroclor 1242	<3.3	3.3	100	
Aroclor 1248	<3.3	3.3	100	
Aroclor 1254	<3.3	3.3	100	
Aroclor 1268	<3.3	3.3	100	
Aroclor 1262	<3.3	3.3	100	

Sample ID: EXB-03	Sampling Site: KP Bellflower	Collected: 02/21/2014
Lab ID: 1405513006	Media: Bulk	Received: 02/24/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil	<u>Weight/Volume</u>	Analysis: SW 8082, Soil	Instrument ID: GCE03
Batch: ENVX/18390 (HBN: 121988)	Initial: 3 grams	Batch: EGC/4847 (HBN: 122095)	Percent Solid: NA
Prepared: 02/24/2014	Final: 10 mL	Analyzed: 02/26/2014 00:00	Report Basis: Wet

Analyte	ppm	RL (ppm)	Dilution	Qual.
Aroclor 1016	<33	33	1000	
Aroclor 1260	<33	33	1000	
Aroclor 1221	<67	67	1000	
Aroclor 1232	<33	33	1000	
Aroclor 1242	<33	33	1000	
Aroclor 1248	<33	33	1000	
Aroclor 1254	540	33	1000	
Aroclor 1268	<33	33	1000	
Aroclor 1262	<33	33	1000	



ANALYTICAL REPORT

Workorder: **34-1405513**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: EXP-01	Sampling Site: KP Bellflower	Collected: 02/21/2014
Lab ID: 1405513007	Media: Bulk	Received: 02/24/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18390 (HBN: 121988) Prepared: 02/24/2014	<u>Weight/Volume</u> Initial: 3.08 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4847 (HBN: 122095) Analyzed: 02/26/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte ppm RL (ppm) Dilution Qual.			
Aroclor 1016	<330	330	10000
Aroclor 1260	<330	330	10000
Aroclor 1221	<670	670	10000
Aroclor 1232	<330	330	10000
Aroclor 1242	<330	330	10000
Aroclor 1248	<330	330	10000
Aroclor 1254	7000	330	10000
Aroclor 1268	<330	330	10000
Aroclor 1262	<330	330	10000

Sample ID: **EXP-02**

Sampling Site: KP Bellflower

Collected: 02/21/2014

Lab ID: 1405513008

Media: Bulk

Received: 02/24/2014

Matrix: Soil/Solid/Sediment

Sampling Parameter: NA

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18390 (HBN: 121988) Prepared: 02/24/2014	<u>Weight/Volume</u> Initial: 3.02 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4847 (HBN: 122095) Analyzed: 02/26/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte ppm RL (ppm) Dilution Qual.			
Aroclor 1016	<330	330	10000
Aroclor 1260	<330	330	10000
Aroclor 1221	<670	670	10000
Aroclor 1232	<330	330	10000
Aroclor 1242	<330	330	10000
Aroclor 1248	<330	330	10000
Aroclor 1254	10000	330	10000
Aroclor 1268	<330	330	10000
Aroclor 1262	<330	330	10000



ANALYTICAL REPORT

Workorder: **34-1405513**

Client: Forensic Analytical

Project Manager: Stella Hanis

Analytical Results

Sample ID: EXP-03	Sampling Site: KP Bellflower	Collected: 02/21/2014
Lab ID: 1405513009	Media: Bulk	Received: 02/24/2014
Matrix: Soil/Solid/Sediment	Sampling Parameter: NA	

Analysis Method - SW 8082

Preparation: EPA 3540 Soxhlet Ext., ARO Soil Batch: ENVX/18390 (HBN: 121988) Prepared: 02/24/2014	Weight/Volume Initial: 3.01 grams Final: 10 mL	Analysis: SW 8082, Soil Batch: EGC/4847 (HBN: 122095) Analyzed: 02/26/2014 00:00	Instrument ID: GCE03 Percent Solid: NA Report Basis: Wet
Analyte	ppm	RL (ppm)	Dilution
Aroclor 1016	<330	330	10000
Aroclor 1260	<330	330	10000
Aroclor 1221	<670	670	10000
Aroclor 1232	<330	330	10000
Aroclor 1242	<330	330	10000
Aroclor 1248	<330	330	10000
Aroclor 1254	9200	330	10000
Aroclor 1268	<330	330	10000
Aroclor 1262	<330	330	10000

Comments

Quality Control: SW 8082 - (HBN: 122095)

LCS/LCSD recoveries for AR1016 were outside Historical/Performance limits but inside 8082 method limits.

Surrogate recoveries for several samples were outside of QC limits due to matrix effect.

Report Authorization

Method	Analyst	Peer Review
SW 8082	Mila V. Potekhin	Nadjla Borges

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alsit.lab@ALSGlobal.com
Web: www.alsslc.com



ANALYTICAL REPORT

Workorder: **34-1405513**

Client: Forensic Analytical

Project Manager: Stella Hanis

General Lab Comments

The results provided in this report relate only to the items tested.

Samples were received in acceptable condition unless otherwise noted.

Samples have not been blank corrected unless otherwise noted.

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Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACCLASS (DoD ELAP)	ADE-1420	http://www.aclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/lbservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACCLASS (ISO 17025, CPSC)	ADE-1420	http://www.aclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACCLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.

RL = Reporting Limit, a verified value of method/media/instrument sensitivity.

CRDL = Contract Required Detection Limit

Reg. Limit = Regulatory Limit.

ND = Not Detected, testing result not detected above the MDL or RL.

< This testing result is less than the numerical value.

** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.

J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

B = Qualifier indicates that the analyte was detected in the blank.

E = Qualifier indicates that the analyte result exceeds calibration range.

P = Qualifier indicates that the RPD between the two columns is greater than 40%.



ANALYTICAL REQUEST FORM

1405513

1. REGULAR Status

RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY 2-26-14

DATE

CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date 2-12-14 Q-21-14 Purchase Order No. PJ20631

3. Company Name: Forensic Analytical Consulting Services

Address 2959 Pacific Commerce Dr.

Rancho Dominguez, CA

Person to Contact Michelle Rosales

Telephone (310) 668-5617

Fax Telephone (310) 763-8684

E-mail Address mrosales@forensicanalytical.com

Billing Address (if different from above)

4. Quote No. _____

ALS Project Manager = Stella Hanis

5. Sample Collection

Sampling Site KP Bellflower

Industrial Process _____

Date of Collection 2-12-14 Q-21-14

Time Collected _____

Date of Shipment 2-12-14 2-21-14

Chain of Custody No. _____

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	<u>EXW-01</u>			PCBs: 8082; 3540 or 3550 as appropriate	ppm
	<u>EXW-02</u>				
	<u>EXW-03</u>				
	<u>EXB-01</u>				
	<u>EXB-02</u>				
	<u>EXB-03</u>				
	<u>EXP-01</u>				
	<u>EXP-02</u>				
	<u>EXP-03</u>				
				↓	

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. mg/sample 2. mg/m³ 3. ppm 4. % 5. (other) Please indicate one or more units in the column entitled Units**

Comments _____

Possible Contamination and/or Chemical Hazards _____

Relinquished by Dawn M. J. D.

Date/Time 2-21-14 13:50

Received by Glennay Fessell

Date/Time 02-24-14 9:56

Relinquished by _____

Date/Time _____

Received by _____

Date/Time _____

Relinquished by _____

Date/Time _____

Received by _____

Date/Time _____

[Signature]

ANALYTICAL REQUEST FORM



1. REGULAR Status

RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY 2-21-14

DATE

CONTACT ALS DATACHEM PRIOR TO SENDING SAMPLES

2. Date 2-12-14 Purchase Order No. PJ20631

3. Company Name: Forensic Analytical Consulting Services

Address 2959 Pacific Commerce Dr.

Rancho Dominguez, CA

Person to Contact Michelle Rosales

Telephone (310) 668-5617

Fax Telephone (310) 763-8684

E-mail Address mrosales@forensicanalytical.com

Billing Address (if different from above)

4. Quote No. _____

ALS Project Manager = Stella Hanis

5. Sample Collection

Sampling Site KP Bellflower

Industrial Process _____

Date of Collection 2-12-14

Time Collected _____

Date of Shipment 2-12-14

Chain of Custody No. _____

6. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	<u>EXW-01</u>			EPA Method 600/R-93-116	%/area
	<u>EXW-02</u>				
	<u>EXW-03</u>				
	<u>EXB-01</u>				
	<u>EXB-02</u>				
	<u>EXB-03</u>				
	<u>EXP-01</u>				
	<u>EXP-02</u>				
	<u>EXP-03</u>				

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. mg/sample 2. mg/m³ 3. ppm 4. % 5. (other) Please indicate one or more units in the column entitled Units**

Comments _____

Possible Contamination and/or Chemical Hazards _____

Relinquished by From Main D. Date/Time 2-21-14 13:50

Received by Flinty Jassal Date/Time 02-24-14 9:56

Relinquished by _____ Date/Time _____

Received by _____ Date/Time _____

Relinquished by _____ Date/Time _____

Received by _____ Date/Time _____